AMENDED CLAIMS

1. (Canceled)	
2. (Currently Amended)	The drilling system according to claim 1 A drilling
system for drilling a well bore	e into an earth formation, comprising:
-	or drilling a well bore;
	for pumping drilling fluid into the well bore during drilling; and
-	itlet system for retrieving drilling fluid from the well bore, said
drilling fluid outlet system co	mprising a choke means for choking the return flow of retrieved
drilling fluid, and alternating	means for alternating the flow direction through the choke
means, wherein the drilling fl	luid outlet system comprises an inlet and an outlet, the choke
means comprise a first inlet/	outlet connection, a second outlet/inlet connection, and the
alternating means connect th	ne inlet alternatingly to the first or second connection and the
outlet alternatingly to the sec	cond or first connection.
3. (Original)	The drilling system according to claim 2, wherein filter means
are arranged in the first and	second connection of the choke means.
4. (Currently Amended) drilling a well bore into an ea	The drilling system according to claim 1 A drilling system for arth formation, comprising:
- drilling means for	or drilling a well bore;
- a drilling fluid ou	for pumping drilling fluid into the well bore during drilling; and atlet system for retrieving drilling fluid from the well bore, said apprising a choke means for choking the return flow of retrieved
	means for alternating the flow direction through the choke
•	ng means comprise a four way valve, having four connections
and wherein the connections	
5. (Currently Amended) drilling fluid outlet system co	The drilling system according to claim 2[[1]], wherein the mprises an accumulator.
6. (Currently Amended)	The drilling system according to claim 1 A drilling system for
drilling a well bore into an ea	rth formation, comprising:
- drilling means fo	or drilling a well bore;
- pumping means	for pumping drilling fluid into the well bore during drilling; and

- a drilling fluid outlet system for retrieving drilling fluid from the well bore, said drilling fluid outlet system comprising a choke means for choking the return flow of retrieved drilling fluid, and alternating means for alternating the flow direction through the choke means, wherein the choking means comprise a bi-directional choke.
- 7. (Currently Amended) The drilling system according to claim 2[[1]], wherein the choking means comprise at least two unidirectional chokes.
- 8. (Canceled)
- 9. (Previously Presented) A method of drilling a well bore into an earth formation, comprising:
 - drilling the well bore by operating drilling means;
 - pumping drilling fluid into the well bore during said drilling; and
- retrieving drilling fluid from the well bore in a drilling fluid outlet system, said drilling fluid outlet system comprising a choke means for choking the return flow of retrieved drilling fluid, whereby the flow direction of retrieved drilling fluid through the choke [[ing]] means is alternated for flushing away any debris from the choke means.
- 10. (Previously Presented) The method according to claim 9, wherein the drilling fluid outlet system comprises an inlet and an outlet, and the choke means comprises a first inlet/outlet connection and a second inlet/outlet connection, wherein said flow direction of retrieved drilling fluid through the choking means is alternated by alternatingly connecting the inlet to the first or second connection, and the outlet to the second or first connection.
- 11. (Previously Presented) The method according to claim 9, wherein the drilling fluid is filtered using filter means in the drilling fluid outlet system upstream of the choke means.
- 12. (Previously Presented) The method according to claim 11, wherein the flow direction through the filter means is altered upon alternating the flow direction through the choking means, for flushing away any debris present on the filter means.